CORNWALL COUNTY COUNCIL.

Sanitary Committee.

Monthly Report for January, 1898.

Cornwall just now is undergoing an experience the like of which has not been known before. A widespread epidemic of Influenza has attacked the entire County. A reference to column 25 of the tabulated return will show that scarcely a single district is free from the disease. The disease not being a notifiable one, it is difficult to ascertain the number of cases; but it is evident that a very large per centage of the county's population has been affected. In some districts the disease is of a mild type, whilst in others it has assumed the character of a scourge. So great has been its influence, that the teaching staff of many elementary schools has been reduced, and the attendance of the scholars sensibly diminished, so much so that the schools have been practically unworkable, and, on the recommendation of the M.O.H.s, have had to be closed for a time. The members of the medical profession have had their hands full, and have been taxed to the utmost extent of their powers And at much inconvenience and pressure, the various Medical Officers of Health have barely been enabled to give the necessary time to forwarding their reports to this Committee. As evidencing the severe character of the epidemic, 26 deaths are returned as due thereto, 19 of which occurred in the Rural districts, and 9 in the Urban. This number is just one more than the total number for the whole of last year.

As might be expected from this abnormal state of things, the County's general death-rate shows a marked increase on that of December, being no less than 2·23 per thousand of the population. The deaths registered from all causes numbered 486 against 429 last month, and 437 as compared with the corresponding month of 1897.

There has been an increased fatality amongst the aged,—201 deaths against 157 last month, being no less than 41.35 per cent. of the total deaths registered. No doubt this increase has been mainly occasioned by the prevalence of Influenza, which in the aged has a greater hold, and meets with less resistance. Infantile deaths number 83 against 59 in December. This is a large increase, but when compared with January of last year, it is better by 9.

Turning to the Zymotics, we have returns of a more encouraging nature. There were 20 deaths registered this month against 27 last, reducing the zymotic death-rate to 0.8 from 1.0, at which it previously stood. Notified or ascertained cases numbered 106 against 206 last month,—a very gratifying improvement, and bringing the zymotic disease rate down to 4.19, which is nearly 50 per cent. better than last month, due to the more favourable returns of Typhoid and Scarlet Fevers.

Diphtheria marks a rise of 4 cases, but a decline of 2 deaths. This increase in the number of cases is more apparent than real, for it includes the returns from a district which has not hitherto supplied any. We are pleased to record this act of grace on the part of Phillack Urban District, and trust that it will be followed by the three remaining defaulting districts, so that the County's statistics may be complete and entire.

Erysipelas cases numbered 15 with 2 deaths this month, against 19 cases and 1 death last.

Scarlet Fever has greatly declined. The cases notified in January numbered 21 against 58 with 3 deaths in December,—a welcome decrease of 36 per cent. The disease has disappeared in St. Columb district, and greatly declined in Redruth Rural, which returns 4 cases against 18 and 1 death the previous month, and also in Helston Rural, there being only 1 case this month, against 6 and 1 fatality in December.

Typhoid Fever. A very great improvement is shown by the returns for January. From 116 cases with 5 deaths the previous month, it is 55 cases with 7 deaths this. The M.O.H.s for Redruth Rural and Camborne Districts, respectively, report that the epidemic is practically at an end. No fresh case has been reported in the former district since January 18th, and in the latter district the last 4 cases notified were due to secondary infection. Increased vigilance and attention are evidently being aroused, as the result of the recent Local Government Board Inquiry, for the M.O.H. reports that the Authority is causing all midden-pits, cess-pits, and ash-pits at infected houses to be thoroughly cleaned and disinfected, and all accumulations of refuse in the vicinity of dwellings are being systematically removed. Camborne's experience of the Typhoid epidemic will not have been in vain if it profits from the recent Inquiry, and learns the wisdom of shutting the stable door *before* the horse is gone. These remarks apply with equal force to the St. Columb Rural district.

It is gratifying to observe the attention just now being given to the question of the purity of water supplies; and there is no question so important and vital to the public health as this. Recent events at Maidstone, and at Camborne, are object lessons pointing to the paramount duty of all responsible Authorities to keep a watchful eye in this direction, and not only to have periodical examinations, but also whenever the M.O.H. has the least suspicion of taint or impurity.

Signed on behalf of the Committee,

JOHN R. de C. BOSCAWEN,

Truro, February 16th, 1898. CHAIRMAN.

No. 73.

TABU ATE

OF BIRTHS, DEATHS, and INFECTIOUS DISEASE, within the ea of th

No. of District. (1)	SANITARY DISTRICT. (2)	Population, 1891. (3)	Medical Officer of Health. (4)	Total Births. (5)	Birthrate per 1000 per Annum. (6)	Total Zym. Deaths (7)	Zymotic Death rate per 1000 per An. (8)	Deaths under 1 yr. (9)	Deaths between 1 and 5. (10)	Deaths, 65 & over. (11)	Notified or Ascertained Cas.							Tots.		
											Small Pox. (12)	Diphtheria & Memb. Croup (13)	Erysipelas. (14)	Scarlet Fever. (15)	Fevers. Typhoid. (16)	Fevers. Continued (17)	Fevers. Puerperal (18)	Cases. (19)	Deaths (20)	Disease Cases per 1000 pop. on Mid-yr. Estimate
	RURAL										Z	Z		Z	Z	Z				
1	*STRATTON ..	7,122	Mr. Braund ..	..	..	..	..	3	2	6	..	..	..	..	..	..	..	..	..	.
2	*LAUNCESTON	8,937	Mr. Gibson ..	20	26	..	..	..	..	4	..	..	..	..	..	..	..	..	..	.
3	*CALSTOCK	6,140	Dr. A. Bowhay	6	11	..	..	..	..	4	..	..	..	..	..	..	..	..	..	.
4	*BOSCASTLE ..	2,009	Mr. C. Wade .	12	71	..	..	..	..	5	..	..	.	..	..	..	..	..	..	.
5	*CAMELFORD ..	4,897	§Mr. Jerome ..	19	46	..	..	1	..	3	..	..	..	1	..	..	..	1	.	2·45
6	*LISKEARD ..	22,464	Mr. Nettle ..	31	16	2	1·0	1	2	9	..	1	..	..	..	..	..	1	.	0·58
7	*ST. GERMANS	15,080	Mr. Kerswill	41	32	..	..	2	1	10	..	1	(1)	1	..	..	..	2	1	1·58
8	*BODMIN	12,146	Mr. Mudge ..	16	15	..	..	..	..	1	..	..	..	..	..	..	..	..	.	.
9	*St. Columb ..	11,834	Dr. Mackay ..	26	26	..	..	1	1	10	..	..	..	1	..	..	..	1	.	1·01
10	*ST. AUSTELL ..	27,218	§Dr. Mason ..	62	27	..	..	10	4	17	..	2	3	.	..	..	..	5	.	2·20
11	TRURO	22,557	Mr. Bonar ..	42	22	..	..	5	1	21	..	1	2	10	..	..	..	13	.	6·91
12	REDRUTH ..	19,546	Dr. Permewan	38	23	3	1·8	6	2	13	..	1	2	4	12(3)	..	..	19	3	11·66
13	*EAST KERRIER	8,510	Mr. Blamey .	12	16	1	1·4	1	..	5	..	..	..	..	(1)	..	..	..	1	.
14	*HELSTON .	18,919	Mr. Haswell	34	21	..	..	9	2	16	..	..	1	1	1	..	.	3	.	1·90
15	*West Penwith	18,176†	Mr. Mudge ..	No	Ret	urn	..	..	..	..	..	..	..	..	..	..	..	NN	.	..
	URBAN																			
16	*LAUNCESTON	4,345	Mr. Gibson ..	5	13	..	..	..	1	2	..	..	1	..	..	..	..	1	.	2·76
17	*LISKEARD ..	3,984	Mr. Nettle .	8	24	1	3·0	2	1	2	..	..	..	..	..	..	..	..	.	..
18	*SALTASH .. .	2,541	Mr. Preston ..	9	42	..	..	..	..	4	..	..	..	..	..	..	..	..	.	..
19	*BODMIN	5,151	§Mr. Derry ..	7	16	..	..	..	..	3	..	..	..	..	..	..	..	..	.	.
20	*LOSTWITHIEL	1,496	Mr. Milner ..	5	40	..	..	1	..	1	..	..	..	..	..	..	..	..	.	.
21	TRURO CITY..	11,131	Mr. Sharp ..	21	22	..	..	3	1	9	..	..	1	1	..	.	..	2	.	2·15
22	*PENRYN	3,256	Mr. Blamey ..	4	14	..	..	.	..	3	..	..	..	..	..	..	..	..	.	..
23	*FALMOUTH ..	12,215	Dr. Bullmore	25	24	5	4·9	4	7	5	..	..	..	..	1	..	..	1	.	0·98
24	*HELSTON ..	3,198	Mr. Wearne ..	7	26	..	..	1	..	4	..	..	..	..	..	..	..	..	.	..
25	*ST. IVES	6,094	§Mr. Nicholls	17	33	..	..	6	2	5	..	..	..	..	..	..	..	..	.	..
26	PENZANCE ..	12,448	Mr. Boase ..	40	38	..	..	6	1	8	.	..	1	1	..	..	..	2	.	1·93
27	*PADSTOW ..	1,503	Mr. Harvey .	1	8	..	..	..	..	1	..	..	..	..	..	..	..	..	.	..
28	NEWQUAY ..	1,891	§Dr. Hardwick	3	18	..	..	..	..	1	..	..	..	..	..	..	..	..	.	..
29	*ST. AUSTELL ..	3,477	Dr. Mason ..	9	31	..	..	2	1	3	..	..	..	..	..	..	..	..	.	..
30	*REDRUTH ..	10,334	§Dr. Hichens	26	30	4	4·6	9	9	6	..	..	2	1	5	..	..	8	.	0·23
31	CAMBORNE ..	14,700	Mr. Thomas ..	28	23	3	2·4	3	1	10	..	..	..	..	35(3)	..	.	35	3	2·57
32	*Phillack ..	4,009	Mr. Z B. Mudge	15	45	1	2·9	1	1	4	..	5(1)	1(1)	..	1	..	..	7	2	20·95
33	*HAYLE	1,142	Mr. T. Mudge	1	10	..	..	..	..	1	..	4	1	..	..	..	..	5	.	52·53
34	*MADRON . ..	2,810	Mr. Couch ..	10	40	..	..	3	..	..	..	..	..	..	..	..	..	..	.	..
35	*PAUL..	5,961	Mr. Boase ..	12	24	..	..	1	..	4	..	..	..	..	..	..	..	..	.	.
36	*Ludgvan ..	2,334	Mr. Couch ..	5	25	..	..	1	1	1	..	..	..	..	..	..	..	NN	.	.
37	*SCILLY ISLES	1,896	Dr. Macklin	3	18	..	..	1	..	..		..	..	..	..	..	..	..	.	.
	COUNTY	303,295	Where Returns are Available.	620	24	20	0·8	83	41	201	..	15(1)	15(2)	21	55(7)	..	..	106	10	4·19

Special Notice.

Special attention is again called to the Dairies, Cowsheds, and MilkshopsOrders, 1885, and 1886, which are *obligatory* upon every Sanitary Authority.

Attention is directed to the provisions of the "Isolation Hospitals Act, 1893," (56 & 57 Vict. Cap. 68), and to the Districts in Cornwall without such accommodation.

Medical Officers of Health will greatly oblige by being early with their Monthly Returns.

303,295	County Summary, 1897.	January ..	702	28	30	1·1	92	32	168	1[1]	15[2]	19[1]	20[1]	14[2]	1	1	71	7	2·80	
303,295		February	638	25	31	1·2	113	54	161	..	4[3]	19	11	4[1]	2	3[1]	43	5	1·70	
303,295		March ..	711	28	39	1·5	106	61	162	..	11[3]	19	13[3]	7[2]	2[1]	[1]	52	8	2·02	
303,295		April .	621	24	29	1·1	105	56	150	2	12[3]	14	6	14	1	1	50	5	1·98	
303,295		May .	629	25	29	1·1	91	33	129	1	5[2]	15[1]	9[1]	10	2	1	43	7	1·71	
303,295		June ..	658	26	30	1·1	65	43	104	..	17[2]	14	3	6	2	..	42	3	1·66	
303,295		July ..	645	25	27	1·0	65	32	113	..	13[3]	9[1]	24[2]	15[1][4]	..	2[1]	63	1	2·49	
303,295		August ..	585	23	61	2·1	99	40	126	..	18[6]	10	14	44[2]	1	..	87	5	3·44	
303,295		September	663	26	37	1·4	76	11	126	..	15[3]	16	37	57[8]	6	..	131	1	5·01	
303,295		October ..	642	25	30	1·2	72	28	129	..	4	17	50(3)	164	..	..	87	8	3·44	
303,295		November	653	25	29	1·1	66	23	132	..	1	15	32	16(1)	4	..	83	5	3·25	
303,295		December	613	24	27	1·0	59	40	157	..	11(4)	19(1)	58(3)	116_5	..	2(2)	206	15	8·14	
	County Summary, 1898.	January ..	620	24	20	0·8	83	41	201	..	15(1)	15(2)	21	55(7)	..	..	106	10	4·19	
		February																		
		March ..																		
		April ..																		
		May ..																		
		June ..																		
		July ..																		
		August ..																		
		September																		
		October ..																		
		November																		
		December																		

REFERENCE.—The Districts printed in **black type** have as yet failed to adopt the Notification Act. Districts marked thus * a in these instances. Diseases marked with a "Z" are those taken as Zymotics for Statistical purposes. N.N. mean no Notifica

6.—Diphtheria case was at North road, West Looe. 7.—Diphtheria at St. Stephens village: Scarlet fever at Torpoint. 9.—Scarlet fever in St. Devoran and Ladock: Scarlet fever in Portloe and Devoran; Diphtheria in St. Agnes. 12.—All the Typhoid cases were in Illogan—last case January 15th. Wendron; Scarlet fever in Porthleven; Enteric fever at Praze, Crowan. 16.—Erysipelas case was at Deakin's Cottages. 21.—Erysipelas at St. Dominic street 30.—Erysipelas at Clinton and Albany roads; Typhoid at Gilly House, Albany road, Coose lane, and Trelcigh. 31.—Epidemic of Enteric fever (actually at a Erysipelas at Copperhouse Yard. 33.—Diphtheria at Penpol Terrace, Chapel Row, Penpol Buildings (causes unknown), and Carnsew (probably c ked drain);

Truro, February 16th, 1898.

...ATED RETURN

Form F.

...ea of the Administrative County of Cornwall, for the **Month** of **January**, 1898.

...s. Tons.	Disease Rate per 1000 per ann. on Month's Returns	Deaths from Measles	Whooping Cough.	Diarr. & Dyst.	Bronchitis, Pneumonia, & Pleurisy	Phthisis.	Heart Disease	Influenza.	Cancer.	Inquest Cases	All other causes.	All Causes	D.R. per 1000 per ann. on month's returns.	D.R. per 1000 per ann. on quarter's returns.	Diseases prevalent during the Month.	General Remarks	No. of District
...)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	
		Z	Z	Z													
.	..	..	..	..	4	..	..	..	..	..	11	15	25·27	21·33	Influenza	Atmospheric disturbance	1
.	..	..	..	..	1	..	1	..	1	1	1	5	6·71	9·39	do.		2
.	..	..	..	..	3	..	..	..	..	2	3	8	15·63	13·02	do.	Climatic	3
.	..	..	..	..	..	..	3	..	..	..	3	6	35·83	15·92	do.		4
.	2·45	..	..	..	..	..	..	..	..	2	3	5	12·25	15·51	do.	Epidemic	5
.	0·53	..	2	..	3	..	4	..	..	2	7	18	9·61	12·28	do.	Climatic	6
1	1·58	..	..	..	5	4	1	..	2	2	9	24	19·09	12·19	do.		7
.	..	..	..	..	..	1	3	1	..	..	5	10	9·87	13·50	None	Very healthy, no Zym. dis.	8
.	1·01	..	..	..	5	1	1	..	..	3	4	14	14·19	16·54	Influenza		9
.	2·20	..	..	.	9	..	3	7	2	2	20	43	18·95	17·78	do.	Delayed Return due to Reg.	10
.	6·91	..	..	..	4	2	7	3	2	2	18	38	29·21	14·53	do.	Germs	11
3	11·66	..	..	..	7	1	2	..	..	4	18	35	21·48	23·32		No Typ. case since Jan. 18th	12
1	..	..	..	.	3	..	..	4	..	..	3	11	15·51	13·63	Influenza	Epidemic	13
.	1·90	..	..	..	9	5	4	2	2	..	18	40	25·37	18·37	Scr.& Ent.fev.		14
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..			15
.	2·76	..	..	..	1	..	3	..	1	1	..	6	16·57	14·73	Influenza		16
.	..	..	1	..	3	..	..	..	..	..	5	9	27·10	20 09	do.	Climatic	17
.	..	..	..	..	..	1	..	..	..	..	4	5	23·61	14·16	do.		18
.	..	..	..	..	1	..	2	1	..	1	1	6	13·97	14·74		District healthy	19
.	..	..	..	..	1	..	1	..	..	..	..	2	16·04	7·36	Influenza	Type not very severe	20
.	2·15	..	..	..	4	1	1	..	1	1	10	18	19·40	19·76	do.	Climatic	21
.	..	..	..	..	1	1	1	1	.	..	3	7	25·79	11·05	do.	Epidemic	22
.	0·98	..	5	..	3	3	4	1	..	..	9	25	24·55	18·33	do.	Atmospheric conditions	23
.	..	..	..	..	1	.	..	..	..	5	.	6	22·51	24·09	do.	Schools closed	24
.	..	..	..	..	4	..	..	2	..	..	10	16	31·50	27·56	do.	Cases generally mild	25
.	1·93	..	..	..	2	.	2	..	2	5	10	21	20·24	16·06	do.		26
.	..	..	..	..	..	..	..	1	..	..	..	1	7·99	7·99	do.	Influenza of mild type	27
.	..	..	..	..	1	..	..	1	..	..	..	2	12·69	14·80	do.		28
.	..	..	..	..	2	..	..	..	1	1	4	8	27·61	18·40		Free from Zymotic disease	29
.	9·29	.	4	..	2	..		2	.	..	18	26	30·19	20·51	Infl., Wh. Co.	Epidemics	30
3	28·57		..	..	5	3	1	..		..	16	28	22·85	17·68	Typhoid	Typhoid practically at an end	31
2	20·95	..	..	..	..	2	2	..	1	.	3	10	29·93	14·96	Influenza		32
.	52·53	..	..	..	..	..	..	..	..	..	1	1	10·50	7·00	do.		33
.	..	..	..	..	..	1	..	..	..	1	5	7	29·89	28·46	None	District still very healthy	34
.	..	..	..	..	2	..	1	..	..	..	3	6	12·07	16·10	Influenza		35
.	..	..	.	..	1	..	..	..	..	..	2	3	15·42	13·70	None	District continues healthy	36
.	..	..	..	..	..	..		..	..	..	1	1	6·32	25·31	None	District healthy	37
...)	4·19	..	12	..	87	26	47	26	15	35	228	486	19·22				
7	2·80	17	4	4	83	29	27	..	22	30	208	437	17·29				
5	1·70	14	9	4	101	33	38	10	23	37	212	486	19·22				
3	2·02	24	7	1	89	51	38	6	25	33	218	500	19·78				
5	1·98	15	7	2	95	46	35	1	27	37	292	471	18·60				
7	1·71	11	4	7	58	37	36	2	22	22	194	402	15·90				
3	1·66	15	6	6	49	33	27	1	16	15	172	342	13·53				
1	2.49	11	2	5	22	19	31	..	28	40	155	324	12·81				
5	3·44	17	3	33	25	31	29	1	17	35	188	387	15·13				
1	5·21	4	2	20	34	39	33	2	27	23	170	365	14·44				
5	3·44	18	..	4	31	31	31	1	22	24	196	366	14·47				
5	3·25	16	5	3	29	31	35	1	26	20	182	353	13·96				
5	8·14	4	7	3	64	31	37	..	26	23	209	429	16.99				
...)	4·19	..	12	..	87	26	47	26	15	35	228	486	19·22				

No. Dis	Sanitary District.	Death Rate to Scale. (10 — 20 — 30)
	RURAL	
1	Stratton ...	
2	Launceston	
3	Calstock ...	
4	Boscastle .	
5	Camelford ..	
6	Liskeard ...	
7	St Germans	
8	Bodmin ..	
9	St. Columb	
10	St. Austell ...	
11	Truro ...	
12	Redruth ...	
13	East Kerrier	
14	Helston ...	
15	West Penwith	No Return.
	URBAN	
16	Launceston	
17	Liskeard ...	
18	Saltash... ...	
19	Bodmin ...	
20	Lostwithiel...	
21	Truro	
22	Penryn	
23	Falmouth ...	
24	Helston ...	
25	St. Ives... ...	
26	Penzance ...	
27	Padstow ...	
28	Newquay ...	
29	St. Austell ...	
30	Redruth ...	
31	Camborne ...	
32	Phillack ...	
33	Hayle	
34	Madron ...	
35	Paul	
36	Ludgvan ...	
37	Scilly Isles ...	
	County ...	

...d thus * are without Isolation Hospitals. † This population is omitted for the purpose of averages. § Returns were late ...o Notification. The following numbers refer to the number of the District in each case :—

... fever in St. Columb. 10.—Diphtheria at Tywardreath and Carnega, in St. Dennis parish; Erysipelas in St. Stephens parish. 11.—Erysipelas at ...uary 18th. 13.—The death from Typhoid occurred in Flushing, and was one of the cases reported last month. 14.—Erysipelas at Four-lanes, ...minic street; Scarlet fever at Moresk road. 23.—Enteric fever case was at Berkeley Place. 26.—Locality of Notifiable case not stated by M.O.H. ...tically at an end. Last 4 cases notified due to secondary infection. 32.—Diphtheria at High Lanes and Bodriggy street; Typhoid at Angarrick; ...ed drain); Erysipelas at Penpol Terrace.

(Signed on behalf of the Committee) JOHN R. de C. BOSCAWEN, *Chairman.*

CLIMATOLOGICAL OBSERVATIONS IN CORNWALL.

During the Month of JANUARY, 1898. Readings taken Daily at 9 a.m. Local time. Stations run from North to South.

No. of Station.	Stations where the Observations were taken. (North to South)	OBSERVER.	TEMPERATURE (Fahrenheit). Mean Temp. Dry Bulb.	Mean Temp. Wet Bulb.	Max. Temp.	Minimum Temp.	Mean Temp.	Ditto for like month, 1897.	Mean Daily Range.	Relative Humidity.	BAROMETER (Sea Level). Monthly Means. Corrected.	Bar. Highest.	Bar. Lowest.	RAINFALL. Total during Month.	Ditto for like month, 1897.	Total Rainfall from 1st Jan., 1898.	Ditto for like period 1897.	Height above sea.	Greatest 1 Day.	Days on which 0.01 in. or more fell	Total during 1897	SUN. Total Hours Bright Sunshine.	WIND. Prevailing Direction.	No. of Station.
														Inches.				Feet	Inches		Inches			
1	POUGHILL ..	Colonel Field ..	..	..	..	..	..	..	..	..	..	..	..	1·43	2·25	1·43	2·25	200	0·50	16	45·19	..	W.	1
2	BUDE	Mr. J. Arthur ..	45·40	44·90	55·0	29·0	45·90	38·90	9·30	94	30·34	30·65	29·30	1·25	1·93	1·25	1·93	16	0·61	10	41·73	..	S. to S.W.	2
3	LAUNCESTON ..	Capt. Ching, R.N.	46·00	45·00	53·0	27·0	43·50	35·00	8·00	92	30·33	30·70	29·28	0·92	3·60	0·92	3·60	446	0·43	12	51·46	..	S. & S.W.	3
4	HINGSTON DOWN ..	Mr. H. Wadge ..	..	..	..	..	..	..	..	..	..	..	..	1·44	3·68	1·44	3·68	850	0·40	14	46·48	..	..	4
5	PENTILLIE CASTLE	§Mr. W. T. Johnson	..	..	55·0	27·0	..	..	..	..	..	..	..	1·33	3·85	1·33	3·85	150	0·52	11	49·34	..	..	5
6	LISKEARD	Mr. S. W. Jenkin	46·00	44·00	55·0	35·0	46·00	38·00	9·00	..	30·45	30·77	29·40	1·28	4·63	1·28	4·63	375	0·36	14	51·27	..	W. & S.W.	6
7	LANHYDROCK ..	Preb. J. T. Every	..	..	..	..	..	..	..	..	30·20	30·44	29·18	1·29	4·55	1·29	4·55	390	0·36	13	53·29	39	E.	7
8	NEWQUAY ..	§Dr. Hardwick ..	48·20	46·20	53·9	37·7	47·78	40·40	5·80	85	30·30	30·71	29·18	0 85	4·19	0·85	4·19	100	0·27	11	39·50	..	S.E.-S.W.	8
9	PLYMOUTH (Dev)	Mr. H. V. Prigg ..	47·10	45·40	59·1	35·0	46·90	39·00	7·80	89	30·32	30·64	29·27	1·36	3·29	1·36	3·29	117	0·40	13	39·89	..	..	9
10	CREMYLL	Mr. W. Marchant	47·35	45·16	55·0	37·0	46·31	37·68	6·35	..	30·47	30·79	29·40	1·00	2.32	1·00	2·32	25	0·33	11	36·17	..	W. to S.	10
11	MENABILLY .	Mr. W. H. Bennett	..	..	56·0	32·0	46·59	37·68	11·00	..	30·14	30·60	29·00	1·01	3·61	1·01	3·61	27	0·22	10	48·86	..	W.S.W.	11
12	ST. AUSTELL ..	Mr. W. Coode ..	..	..	..	..	..	..	..	..	..	30·56	29·29	1·02	4·73	1·02	4 73	300	0·27	15	51·11	..	..	12
13	HELIGAN	Mr. J. C. Tremayne	..	..	52·0	32·0	..	..	..	..	..	..	..	2·10	4·34	2·10	4·34	..	0·25	9	44·37	..	..	13
14	ST. AGNES	Mr. J. Opie ..	.	..	..	..	..	..	..	..	..	..	..	1·32	3·28	1·32	3·28	278	0·48	10	40·47	..	S. to S.E.	14
15	PROBUS	Mr. H. Tresawna ..	..	..	..	..	..	.	..	..	..	..	..	2·04	4·15	2·04	4·15	..	0·45	8	44·82	..	..	15
16	TRURO (R.I.C.) ..	Mr. R. A. Gregg ..	47·40	45·10	58·0	31 0	47·20	39·20	9·40	86	30·29	30·61	29·25	1·08	4.36	1·08	4·36	40	0·41	8	46·50	47·9	S.W.	16
17	REDRUTH ..	Mr. A. Lanyon ..	..	..	..	..	..	..	..	..	..	..	..	0·99	..	0·99	..	..	0·26	9	..	..	..	17
18	ST. IVES	§Dr. Nicholls ..	48·37	46·51	54·0	41·2	48·21	40·06	5·30	..	30·26	30·58	29·21	1·07	2·71	1·07	2·71	60	0·57	8	45·11	..	S.S.W.	18
19	PHILLACK ..	Canon Hockin ..	..	..	..	..	..	..	..	..	..	..	..	1·00	3·55	1·00	3 55	70	0·48	12	39·14	..	..	19
20	FALMOUTH (Ob.)	Mr. E. Kitto ..	48·00	46·20	55·7	36·7	48·20	40·10	6·10	87	..	..	..	1.19	3·73	1·19	3·73	169	0·32	12	45·85	46·6	S.W.	20
21	ST. JUST (West)	†Rev. G. B. Hooper	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	386	..		..	..	..	21
22	MARAZION ..	Mr. T. W. Field ..	..	..	..	..	..	..	..	..	..	..	..	0·94	3.63	0·94	3·63	30	0·28	12	43·94	..	..	22
23	PENZANCE	Mr. C. H. Benn ..	50·12	48·08	56·5	38·0	49·23	42·08	6·00	86	30·10	30·58	29·28	1·15	3·88	1·15	3·88	55	0·29	15	45·31	46	..	23
24	,, (Penlee)	Mr. Branwell, Jr.	..	..	54·0	36·0	45·00	..	..	..	30·20	30·50	29·40	1·32	3·85	1·32	3·85	..	0·33	14	47·15	..	S.W., S.E.	24
25	LIZARD LIGHTS	Mr. J. E. Davies .	..	..	54·0	44·0	50·00	42·03	..	..	30·13	30·42	29·20	..	..	..	..	..	..		..	..	S.E. & S.	25
26	SCILLY, St. Mary's	Dr. Macklin ..	50·07	48·00	56·0	42 0	49·50	41·00	5·00	86	29·93	30·61	29·25	1·24	2·73	1·24	2·73	75	0·48	15	34·76	41	S.	26
	COUNTY MEANS ..		47·64	45·86	55·1	35·0	47·16	39·62	7·42	88	30·24	30·61	29·26	1·23	3·60	1·23	3 60	197	0·38	11	44·86	44		

§ Late Returns. † Returns not to hand at time of going to press. Sea temperatures: Poughill, ° on th; do. for , 189 , °; Plymouth, 50·1°; St. Ives, °; Penzance (Penlee), °; Scilly (St. Mary's), 51·5°. The following numbers refer to the number of the district in each case :—

2.—Mean Temperature of the month 4.5° above 10 years average; General character very mild and damp. Minimum Temperature, nights 5° above average; Frost on 3 nights only. 3.—A very mild and dry, but humid month. 6.—The monthly mean Barometer, the highest recorded for January for many years. 8.—Remarkably high mean temperature and high barometer. 10.—Remarkably fine mild month. 14.—The month has been unusually dry, calm and dull,—very warm at times. 19.—Dryest January since 1880. 20.—Unusually mild, dull month. 24.—A very mild, dry month. 26.—An exceptionally mild and fine month, although the amount of sunshine was small.

Truro, February 16th, 1898. (*Signed*) JOHN R. de C. BOSCAWEN Chairman.

14 MAR. 1898

CORNWALL COUNTY COUNCIL.

Sanitary Committee.

Monthly Report for February, 1898.

Cornwall is still in the grip of the Influenza epidemic. The disease has greatly developed since our last report, and nearly every district remains affected. The number of deaths directly due to it is returned as 110, 61 of which occurred in the Rural and 49 in the Urban portion. This is an increase on the January returns of 84 deaths, or rather 81, as there were 3 deaths in Helston (Urban) which were wrongly returned under the head of Inquests. This is plainly indicative of the severity of the complaint; but it is to be feared that its influence does not end here. The deaths indirectly resulting from it may be imagined from the fact of there being 169 fatal cases of Bronchitis alone—an increase of 94 per cent on the previous month's returns. And undoubtedly the heavy old age mortality this month must be also set down to the epidemic. The origin of the disease seems to be involved in mystery, and is a problem well deserving the attention of the medical profession to unravel. No class of persons is exempt from its influence. It attacks the healthy and vigorous as well as the weak and delicate, and it is found where the best sanitary conditions obtain and the surroundings are all that can be desired, and it seems altogether to be uncontrolled by hygienic laws.

For the first time since we have been tabulating the county's statistics, we have to record that this month the deaths exceed the births, and by no less than 35. This abnormal result is not owing to a falling off in the births, which, indeed, is about the average number, but to the unprecedented state of the general death-rate occasioned by the presence of the Influenza and the largely increased mortality amongst the aged. The number of deaths registered from all causes is 675, being 189 more than in January, raising the general death-rate to 26·17 per thousand of the population—a rise on the month of 6·95. Infantile deaths (under 1 year) are 114, which is nearly 38 per cent. higher than the number last month. In the active part of the population, *i.e.* between 5 and 65 years of age, there were 218 deaths, giving a death-rate of 8·45 per thousand. This is a little above the average rate, and shows that these also have been affected by the unusual condition of things now prevailing. It is sincerely to be hoped that the worst has now been seen, and that with the coming of more seasonable weather and the return of spring, the county will get back to its normal state of health.

Zymotic deaths are returned as 22 against 20 the previous month, and owing to the increased population basis, by the inclusion of St Just Urban District, recently formed, the zymotic death-rate remains the same as in January, viz.: 0·8. A further great improvement is shewn in the Infectious disease cases, which numbered 49 against 106 last month, reducing the disease-rate to 2·29, which is the lowest point reached since last June. The better returns of Typhoid Fever is the principal contributing factor to this decided improvement.

Diphtheria returns are 14 cases with 7 deaths this month against 15 cases and 1 death last. It will be seen that though the cases have declined a little in number the disease has been attended with greater fatality. There were 1 case and 1 death in Bodmin (Rural), 2 cases and 1 death in St. Columb, one of which was Membranous Croup, 7 cases and 1 death in Redruth (Rural), 1 case a child of 4 months of age, and 1 death in Falmouth (Urban); 1 case Membranous Croup in Camborne, 1 case Membranous Croup and 1 death in Phillack, and 1 case and 1 death in Hayle.

Erysipelas has declined from 15 cases and 2 deaths last month to 9 cases and no deaths this.

Scarlet Fever has further declined. From 21 cases in January it is 17 this month. It has appeared in 6 districts this month against 9 last, viz.:—Liskeard (Rural), Truro (Rural), Redruth (Rural) 8 cases, Falmouth, Padstow 4 cases, and Madron 2 cases.

Typhoid Fever returns show a still better improvement than even that recorded for January. The cases numbered last month 55 with 7 deaths, this month they are only 9 with 4 deaths. The centres now principally affected are Truro (Rural) 1 case and 1 death, Redruth (Rural) 2 cases (secondary affection), Helston (Rural) 1 case, Camborne 4 cases and 3 deaths (1 death was from a case notified in December), all secondary affections, and Paul 1 case.

There was no death due to Measles, but Whooping Cough is responsible for 10, and there was 1 death from Diarrhœa.

From our Climatological report it will be seen that the mean temperature was 44·70 degrees against 46·58 for the corresponding month of last year, and the Relative Humidity 83. The mean rainfall was just 2 inches, against 4·61 inches, and the mean total rainfall from the 1st January 3·23 inches against 8·20 inches for the like period of 1897. The highest mean temperature was at the Lizard (50·70), and the lowest at Launceston (40·50). The mean total hours of bright sunshine was 85·9. The highest recorded was at Falmouth (99·6), and the lowest at Newquay (71·1).

Signed on behalf of the Committee,

JOHN R. de C. BOSCAWEN,

Truro, March 12th, 1898. CHAIRMAN.

TABULATED

OF BIRTHS, DEATHS, and INFECTIOUS DISEASE, within the ar

No. of District.	SANITARY DISTRICT.	Population, 1891.	Medical Officer of Health.	Total Births.	Birthrate per 1000 per Annum.	Total Zym. Deaths	Zymotic Deathrate per 1000 per An.	Deaths under 1 yr.	Deaths between 1 and 5.	Deaths, 65 & over.	Notified or Ascertained Cas.							Tot.	
											Small Pox.	Diphtheria & Memb. Croup	Erysipelas.	Scarlet Fever.	Fevers. Typhoid.	Fevers. Continued	Fevers. Puerperal	Cases.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
	RURAL										Z	Z		Z	Z	Z			
1	*STRATTON ..	7,122	Mr. Braund ..	15	25	..	..	1	2	5	..	..	..	..	..	..	..	..	
2	*LAUNCESTON	8,937	§Mr. Gibson ..	15	20	..	..	2	..	5	..	..	1	..	..	..	..	1	
3	*CALSTOCK ..	6,140	Dr. A. Bowhay	6	11	..	..	..	4	7	..	..	2	.	..	..	..	2	
4	*BOSCASTLE ..	2,009	Mr. C. Wade ..	5	29	..	..	1	..	1	..	..	..	..	..	..	..	..	
5	*CAMELFORD ..	4,897	Mr. Jerome ..	6	14	..	..	2	1	8	..	..	..	..	..	..	..	..	
6	*LISKEARD ..	22,464	Mr. Nettle ..	41	21	1	0·5	9	3	18	..	..	..	1	..	..	..	1	
7	*ST. GERMANS	15,080	Mr. Kerswill	36	28	..	..	2	3	8	..	..	.	..	..	..	..	..	
8	*BODMIN	12,146	Mr. Mudge ..	25	24	1	0·9	3	1	10	..	1(1)	1	..	..	..	..	2	
9	*St. Columb ..	11,834	§Dr. Mackay .	24	24	2	2·0	4	..	11	..	2(2)	..	..	..	..	..	2	
10	*ST. AUSTELL..	27,218	Dr. Mason ..	69	30	..	.	13	8	21	..	..	..	.	..	..	..	..	
11	TRURO	22,557	Mr. Bonar ..	48	25	1	0 5	10	2	27	..	..	2	1	1(1)	..	..	4	
12	REDRUTH ..	19,546	Dr. Permewan	38	23	1	0·6	7	3	24	..	7(1)	..	8	2	..	..	17	
13	*EAST KERRIER	8,510	Mr. Blamey ..	20	28	2	2·8	4	1	15	..	..	..	..	..	..	..	..	
14	*HELSTON .	18,919	Mr. Haswell	38	24	..	..	3	2	15	..	..	1	..	1	..	..	2	
15	*West Penwith	18,176†	Mr. Mudge ..	No	Ret	urn	..	..	..	..	..	..	..	..	..	..	..	NN	
	URBAN																		
16	*LAUNCESTON	4,345	§Mr. Gibson ..	4	11	..	..	1	1	1	..	..	..	..	..	*	..	..	
17	*LISKEARD ..	3,984	Mr. Nettle .	3	15	..	..	2	..	8	..	..	.	..	..	..	..	..	
18	*SALTASH	2,541	Mr. Preston ..	2	9	..	..	1	1	1	..	..	..	..	..	..	..	..	
19	*BODMIN	5,151	§Mr. Derry ..	7	16	..	..	.	..	3	..	..	..	..	..	..	..	..	
20	*LOSTWITHIEL	1,496	§Mr. Milner ..	3	24	..	..	..	..	1	..	..	..	..	..	..	..	..	
21	TRURO CITY..	11,131	Mr. Sharp ..	19	20	..	..	2	1	9	..	..	..	..	..	..	..	..	
22	*PENRYN	3,256	Mr. Blamey ..	6	22	1	3·6	2	1	2	..	..	..	..	..	..	..	..	
23	*FALMOUTH ..	12,215	§Dr. Bullmore	21	20	3	2·9	4	4	13	..	1(1)	..	1	..	..	..	2	
24	*HELSTON ..	3,198	Mr. Wearne ..	4	15	..	..	..	1	11	..	..	..	..	..	..	..	..	
25	*ST. IVES	6,094	Mr. Nicholls	21	41	..	..	7	5	11	..	..	..	..	..	..	..	..	
26	PENZANCE ..	12,448	Mr. Boase ..	29	28	1	0·9	10	1	7	..	..	1	.	..	..	..	1	
27	*PADSTOW ..	1,503	Mr. Harvey .	3	24	..	..	..	..	3	.	..	..	1	..	..	..	4	
28	NEWQUAY ..	1,891	Dr. Hardwick	4	24	..	..	1	..	..	..	..	..	..	..	..	..	..	
29	*ST. AUSTELL..	3,477	Dr. Mason ..	6	20	..	..	5	2	3	..	..	.	..	..	..	..	..	
30	*REDRUTH ..	10,334	Dr. Hichens	26	30	4	4·6	7	5	8	..	..	..	..	..	..	..	..	
31	CAMBORNE ..	14,700	Mr. Thomas ..	28	22	3	2·4	8	2	13	..	1	1	..	4(3)	..	..	6	
32	*Phillack ..	4,009	Mr.Z B. Mudge	10	30	1	2·9	..	1	2	..	1(1)	..	..	..	..	..	1	
33	*HAYLE	1,142	Mr. T. Mudge	1	10	1	10·5	..	..	..	..	1(1)	..	..	..	..	..	1	
34	*MADRON	2,810	Mr. Couch ..	7	29	..	..	..	..	..	..	..	..	..	..	..	..	..	
35	*PAUL..	5,961	Mr. Boase ..	25	50	..	..	1	1	10	..	..	..	2	1	..	..	3	
36	*Ludgvan ..	2,334	Mr. Couch ..	1	5	..	..	..	..	..	..	..	..	..	..	..	..	NN	
37	*ST. JUST	6,119	Mr. C. S. Jago	21	41	..	..	2	1	6	..	..	..	..	..	..	..	..	
38	*SCILLY ISLES	1,896	Dr. Macklin	3	18	..	..	..	..	1		..	..	.	..	..	..	..	
	COUNTY	309,414	Where Returns are Available.	640	24	22	0·8	114	57	286	..	14(7)	9	17	9(4)	..	..	49	
		303,295		JANUARY ..	702	28	30	1·1	92	32	168	1[1]	15[2]	19[1]	20[1]	14[2]	1	1	71
		303,295		FEBRUARY	638	25	31	1·2	113	54	161	..	4[3]	19	11	4[1]	2	3[1]	43
		303,295		MARCH ..	711	28	39	1 5	106	61	162	.	11[3]	19	13[3]	7[2]	2[1]	[1]	52
		303,295		APRIL .	621	24	29	1·1	105	56	150	2	12[3]	14	6	14	1	1	50
		303,295		MAY .	629	25	29	1·1	91	33	129	1	5[2]	15[1]	9[1]	10	2	1	43
		303,295		JUNE ..	658	26	30	1·1	65	43	104	..	17[2]	14	3	6	2	..	42
		303,295		JULY ..	645	25	27	1·0	65	32	113	..	13[3]	9[1]	24[2]	15[1][4]	..	2[1]	63
		303,295		AUGUST ..	585	23	61	2·1	99	40	126	..	18[6]	10	14	14[2]	1	..	87
		303,295		SEPTEMBER	663	26	37	1·4	76	11	126	..	15[3]	16	37	57[8]	6	..	131
		303,295		OCTOBER ..	642	25	30	1·2	72	28	129	..	4	17	50[3]	164	..	..	87
		303,295		NOVEMBER	653	25	29	1·1	66	23	132	..	1	15	32	16[1]	4	..	83
		303,295	County Summary, 1897.	DECEMBER	613	24	27	1·0	59	40	157	..	11[4]	19[1]	58[3]	116[5]	..	2[2]	206
		303,295		JANUARY ..	620	24	20	0·8	83	41	201	..	15[1]	15[2]	21	55[7]	..	..	106
		309,414		FEBRUARY	640	24	22	0·8	114	57	286	..	14[7]	9	17	9[4]	..	..	49
				MARCH ..															
				APRIL ..															
				MAY ..															
				JUNE ..															
				JULY ..															
			County Summary, 1898.	AUGUST ..															
				SEPTEMBER															
				OCTOBER ..															
				NOVEMBER															
				DECEMBER															

Special Notice.

Special attention is again called to the Dairies, Cowsheds, and Milkshops Orders, 1885, and 1886, which are *obligatory* upon every Sanitary Authority.

Attention is directed to the provisions of the "Isolation Hospitals Act, 1893," (56 & 57 Vict. Cap. 68), and to the Districts in Cornwall without such accommodation.

Medical Officers of Health will greatly oblige by being early with their Monthly Returns.

REFERENCE.—The Districts printed in **black type** have as yet failed to adopt the Notification Act. Districts mark[ed] thus * are in these instances. Diseases marked with a "Z" are those taken as Zymotics for Statistical purposes. N.N. means [No] Notifica[tion]

2.—Erysipelas at Hicks Mill, Lewannick. 3.—Erysipelas cases were at St. Ann's Chapel and Gunnislake. 6.—Scarlet Fever in C[hapel street, Ca]
9.—Diphtheria in St. Columb. 11.—Erysipelas at Ladock and Devoran; Scarlet Fever at Kea; Enteric Fever in Workhouse, cause unknow[n] 12.—[Diph]
Highway. 14.—Erysipelas case was at Four Lanes, Wendron. 23.—One case of Diphtheria in a child 4 months of age at Cambridge terrace; o[ne] [ca]se of Scarl[et]
and Middle street, 1 case, cause obscure. 31.—Membranous Croup at West Centenary Row; Erysipelas at Bolennowe; Enteric Fever (sccondary) [at] Edward stree[t]
Penpol terrace. 35.—Scarlet Fever at Mousehole; Typhoid at Newlyn, imported from Porthleven.

Truro, March 12th, 1898.

ATED RETURN

Form F.

of the Administrative County of Cornwall, for the **Month** of **February**, 1898.

Disease Rate per 1000 per ann. on Month's Returns (21)	Deaths from: Measles (22)	Whooping Cough (23)	Diarr. & Dyst. (24)	Bronchitis, Pneumonia, & Pleurisy (25)	Phthisis (26)	Heart Disease (27)	Influenza (28)	Cancer (29)	Inquest Cases (30)	All other causes (31)	All Causes (32)	D.R. per 1000 per ann. on month's returns (33)	D.R. per 1000 per ann. on quarter's returns (34)	Diseases prevalent during the Month (35)	General Remarks (36)	No. of District
	Z	Z	Z													
..	..	..	..	2	..	2	..	1	..	4	9	15·15	19·65	Influenza		1
1·34	..	..	..	2	2	1	..	2	..	3	10	13·43	10·74	do.		2
3·90	..	..	..	8	..	3	..	..	..	4	15	29·31	20·84	do.	Climatic	3
..	..	..	..	..	1	1	..	..	1	1	4	23·89	19·90			4
..	..	..	..	4	..	1	3	..	3	4	15	36·75	23·68	Influenza	Epidemic	5
0·53	..	1	..	12	1	3	9	1	1	13	41	21·80	16·16	do	Old People chiefly affected	6
..	..	..	..	5	2	..	2	1	3	6	19	15·11	15·11	do.	Quethiock N. School closed	7
1·96	..	..	..	6	..	2	4	..	1	5	19	18·77	14·81	do.	Respy. dis. very prevalent	8
2·62	..	..	..	3	1	2	3	1	2	10	24	24·33	18·58			9
..	..	..	..	14	4	7	11	..	3	17	56	24·68	21·00	Influenza	High d.r. due to Influenza	10
2·12	..	..	..	11	3	2	10	1	3	22	53	28·19	20·92	do.	Infection	11
10·43	..	..	..	12	4	1	8	3	3	16	48	29·46	25·77	do.		12
..	..	2	..	4	..	1	3	1	1	10	22	31·02	17·86	do.	Epidemic	13
1·26	..	..	..	6	..	5	8	1	..	12	32	20·29	20·69	do.	Epidemic	14
..			..	..	..	..	..	..	..	..	..	..	..			15
..	..	.	..	2	1	.	..	..	..	2	5	13·80	13·80	Influenza		16
..	..	..	..	7	2	..	1	..	1	4	15	45·18	30·11	do.	Epidemic	17
..	..	..	..	2	..	..	..	..	..	2	4	18·88	15·73	do.		18
..	..	..	..	3	..	..	..	..	1	3	7	16·31	17·52	do.		19
..	..	..		..	..	..	..	..	..	1	1	8·02	10·69	Infl., Respy.	A great deal of Sickness	20
..	..	..	..	8	1	..	3	1	3	5	21	22·63	22·63	Influenza	Free from Zymotic disease	21
..	..	1	..	..	..	..	1	.	..	3	5	18·42	14·73	do.	Epidemic	22
1·96	..	2	..	6	6	2	3	2	1	10	33	32·41	25·20	do.		23
.	..	..	..	1	1	2	8	..	..	3	15	56·28	36·60	do	High old age mortality	24
..	..	..	..	7	.	1	2	..	1	15	26	51·19	34·78	do.	Influenza almost gone	25
0·96	..	..	1	12	5	1	..	..	4	5	28	26·99	18·70	do.	Influenza abating	26
31·97	.	..	..	..	.	..	..	1	..	2	3	23·98	15·91	do.	Epidemic of mild type	27
..	..	..	..	..	..	..	2	..	..	.	2	12·69	10·57	do.	Climatic	28
..	..	..	..	5	..	1	1	..	1	5	13	44·86	34·51	do.	High d.r. due to Influenza	29
..	..	4	.	8	2	3	2	1	..	9	29	33·65	27·08	Infl., Wh. Co.	Epidemics	30
4·89	.	..	..	5	2	3	14	..	1	13	41	33·46	23·39	Influenza	Epidemic	31
2·99		..	..	..	1	..	..		..	2	4	11·97	15·96	do.	Very prevalent	32
10·50	..	..	..	..	..	..	..	..		1	2	21·00	14·00	do.	Very prevalent	33
..	..	..	..	4	..	1	6	1	..	8	20	85·40	42·70	do.	Epidemic	34
6·03	..	..	..	3	..	2	4	..	3	6	18	36·21	22·80	do.		35
..	..	..	..	1	2	..	..	..	..	1	4	20·56	17·13	None	District healthy	36
..	.	.	..	6	..		2	1	..	2	11	21·49	..	Influenza	Majority of cases very slight	37
..	..	..	..	..	..		..	1	..	..	1	6·32	12·65	None	District exceptionally healthy	38
1·90	..	10	1	169	41	47	110	20	37	229	675	26·17				

No. Dis	Sanitary District	Death Rate to Scale.
	RURAL	10 20 30 40 50
1	Stratton ...	No Return.
2	Launceston	
3	Calstock ..	
4	Boscastle	
5	Camelford .	
6	Liskeard ..	
7	St. Germans	
8	Bodmin	
9	St. Columb	
10	St. Austell ..	
11	Truro ..	
12	Redruth ...	
13	East Kerrier	
14	Helston ...	
15	West Penwith	
	URBAN	
16	Launceston	
17	Liskeard ...	
18	Saltash	
19	Bodmin ...	
20	Lostwithiel...	
21	Truro	
22	Penryn	
23	Falmouth ..	
24	Helston ...	
25	St. Ives	56
26	Penzance ...	51
27	Padstow ...	
28	Newquay ...	
29	St. Austell ...	
30	Redruth ..	
31	Camborne ..	
32	Phillack ...	
33	Hayle	
34	Madron ...	
35	Paul	85
36	Ludgvan ...	
37	St. Just ..	
38	Scilly Isles ..	
	County ...	

2·80	17	4	4	83	29	27	..	22	30	208	437	17·29				
1·70	14	9	4	101	33	38	10	23	37	212	486	19·22				
2·02	24	7	1	89	51	38	6	25	33	218	500	19·78				
1·98	15	7	2	95	46	35	1	27	37	292	471	18·60				
1·71	11	4	7	58	37	36	2	22	22	194	402	15·90				
1·66	15	6	6	49	33	27	1	16	15	172	342	13·53				
2.49	11	2	5	22	19	31	..	28	40	155	324	12 81				
3·44	17	3	33	25	31	29	1	17	35	188	387	15·13				
5·21	4	2	20	34	39	33	2	27	23	170	365	14 44				
3·44	18	..	4	31	31	31	1	22	24	196	366	14·47				
3·2.	16	5	3	29	31	35	1	26	20	182	353	13·96				
8·14	4	7	3	64	31	37	..	26	23	209	429	16.99				
4·19	.	12	..	87	26	47	26	15	35	228	486	19·22				
1·90	..	10	1	169	41	47	110	20	37	229	675	26 17				

thus * are without Isolation Hospitals. † This population is omitted for the purpose of averages. § Returns were late Notification. The following numbers refer to the number of the District in each case :—

(el street, Callington. 8.—Membranous Croup, fatal case occurred in Marsh, Egloshayle, a low and damp situation, and water unsatisfactory. 12,—Diphtheria, 5 cases at Gwithian, 1 at Portreath, and 1 case of Membranous Croup; Typhoid cases (secondary) were at Pool and Illogan ase of Scarlatina in Guerdon place. These 2 case were in the best parts of the Town. 27.—Scarlet Fever (mild) in Lanadwell street, 3 cases, Edward street, Tuckingmill (3 in one house, 1 death), and West Church street. 32.—Membranous Croup at High Lanes. 33.—Diphtheria at

(Signed on behalf of the Committee) JOHN R. de C. BOSCAWEN, *Chairman.*

CLIMATOLOGICAL OBSERVATIONS IN CORNWALL.

During the Month of FEBRUARY, 1898. Readings taken Daily at 9 a.m. Local time. Stations run from North to South.

No. of Station.	Stations where the Observations were taken. (North to South)	OBSERVER.	TEMPERATURE (Fahrenheit).								BAROMETER (Sea Level).			RAINFALL.							SUN.	WIND.	No. of Station.	
			Mean Temp. Dry Bulb.	Mean Temp. Wet Bulb.	Max. Temp.	Minimum Temp.	Mean Temp.	Ditto for like month, 1897.	Mean Daily Range.	Relative Humidity.	Monthly Means. Corrected.	Bar. Highest.	Bar. Lowest.	Total during Month.	Ditto for like month, 1897.	Total Rainfall from 1st Jan., 1898.	Ditto for like period 1897.	Height above sea.	Greatest 1 Day.	Days on which 0.01 in. or more fell	Total during 1897.	Total Hours Bright Sunshine.	Prevailing Direction.	
														Inches.				Feet	Inches		Inches			
1	POUGHILL ..	Colonel Field ..	..	..	..	..	..	..	..	..	..	..	..	2·57	5·53	4·00	7·78	200	0·29	24	45·19	..	W.	1
2	BUDE	Mr. J. Arthur ..	44·10	42·80	52·5	25·3	44·40	42·80	8·10	90	30 08	30·41	29·10	2·50	5·03	3·75	6·96	16	0·40	19	41·73	..	W., N.N.W.	2
3	LAUNCESTON ..	Capt. Ching, R.N.	43·00	42·00	53·0	22 0	40·50	45·50	11·00	92	30·03	30·35	29·13	2·82	4·32	37·4	7·92	446	0·33	23	51·46	..	N.W.	3
4	HINGSTON DOWN ..	Mr. H. Wadge ..	..	..	..	..	..	..	..	..	..	..	..	2·23	5·09	3·67	8·77	850	0·45	18	46·48	..	..	4
5	PENTILLIE CASTLE	Mr. W. T. Johnson	..	..	55·0	23 0	..	..	..	..	..	..	..	1·97	4·98	3·30	8·83	150	0·33	21	49·34	..	..	5
6	LISKEARD	Mr. S. W. Jenkin	43·00	41·00	56·0	30 0	43·00	46·00	11·00	..	30·16	30·59	29 14	2·59	4·85	3·87	9·48	375	0·31	22	51·27	..	N.W.	6
7	LANHYDROCK ..	Preb. J. T. Every	..	..	..	..	..	..	..	..	29·64	30·36	29·00	2·63	4·92	3·92	9·47	390	0·29	22	53·29	..	..	7
8	NEWQUAY ..	Dr. Hardwick ..	46·50	43·50	53·7	32·9	45·40	47·10	6·90	80	30·00	30·42	28·91	1·44	4·63	2·29	8·82	100	0·20	22	39·50	71.1	N.W.-S.W.	8
9	PLYMOUTH (Dev)	Mr. H. V. Prigg ..	44·31	42·36	53·3	24·0	43·47	46·30	7·36	85	30·07	30·52	29·12	1·42	4·06	2·78	7·35	117	0 36	21	39·89	81	N.W.	9
10	CREMYLL	Mr. W. Marchant	43·50	40·53	56·0	29·0	43·62	46·89	11·03	..	30·18	30·54	29·29	1·38	4.08	2·38	6·40	25	0·24	19	36·17	..	N.W.-S.W.	10
11	MENABILLY .	Mr. W. H. Bennett	..	..	54·0	27·0	42·86	43·30	11·42	..	30·25	30·40	29·20	2·53	5·57	3·54	9·18	27	0·32	19	48·86	..	W.N.W.	11
12	ST. AUSTELL ..	Mr. W. Coode ..	..	..	..	..	..	..	..	..	..	30·32	29·10	2·39	5·60	3·41	10·33	300	0·30	24	51·11	..	..	12
13	HELIGAN	Mr. J. C. Tremayne	..	..	56·0	26·0	..	..	..	..	..	..	..	1·85	4·75	3·95	9 09	..	0·20	20	44·37	..	..	13
14	ST. AGNES	Mr. J. Opie ..	.	..	..	..	..	..	..	..	..	..	..	1·78	4·90	3·10	8·18	278	0·25	19	40·47	..	S.W.-N.W.	14
15	PROBUS	Mr. H. Tresawna ..	..	..	..	..	..	..	..	..	..	..	..	1·04	4·81	2·86	8·96	..	0·21	19	44·82	..	..	15
16	TRURO (R.I.C.) ..	Mr. R. A. Gregg ..	45·60	42·50	59·0	24 0	45·50	47·60	10·90	78	30·03	30·35	28·98	1·62	4·83	2·70	9·19	40	0·21	23	46·50	89	N.W.	16
17	REDRUTH ..	Mr. A. Lanyon ..	..	..	..	..	..	..	..	..	..	..	..	2·22	4·80	3·19	8·98	..	0·31	19	..	..	..	17
18	ST. IVES	Dr. Nicholls ..	46·51	43·63	56·5	35·0	46·97	48·13	6·84	..	30·05	30·37	29·10	1·58	3·92	2·65	6·63	60	0·31	16	45·11	..	S.W.	18
19	PHILLACK ..	Canon Hockin ..	..	..	..	..	..	..	..	..	..	.	..	1·38	3·40	2·38	6·95	70	0·24	21	39·14	..	..	19
20	FALMOUTH (Ob.)	Mr. E. Kitto ..	45·10	42·90	54·9	30·9	45·10	47·60	9·10	83	..	..	..	2·01	4·50	3·20	8 23	169	0·24	20	45·85	99·6	S.W.-N.W.	20
21	ST. JUST (West)	†Rev. G. B. Hooper	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	386	..	..	..	..	..	21
22	MARAZION ..	Mr. T. W. Field ..	..	..	..	..	..	..	..	..	..	..	..	1·91	3.61	2·85	7·24	30	0·26	20	43·94	..	..	22
23	PENZANCE	Mr. C. H. Benn ..	58·13	45·07	57·0	34·0	46·86	48·34	9·31	79	30·02	30·35	28·98	2·32	4·41	3·47	8·29	55	0·29	26	45·31	86	N.W.	23
24	,, (Penlee)	Mr. Branwell, Jr.	..	..	54·0	31·0	42·50	44·50	..	..	29·99	30·33	29·10	2·41	4·62	3·73	8·47	..	0·31	23	47·15	..	N.W.	24
25	LIZARD LIGHTS	Mr. J. E. Davies .	..	..	52·0	41·0	50 70	48·46	..	..	29·88	30·25	29·19	..	..	..	..	..	..	..	..	..	W.-N.W.	25
26	SCILLY, St. Mary's	Dr. Macklin ..	47·90	45·00	54·0	36 0	45·00	46·50	8·50	80	29·75	30·40	29·09	1·55	3·74	2·79	6·47	75	0·41	16	34·76	88·8	W.-N.	26
	COUNTY MEANS ..		44·33	42·84	54·8	29·4	44·70	46·58	7·99	83	30·01	30·39	29·09	2·00	4·61	3·23	8·20	197	0·29	20	44·86	85·9		

§ Late Returns. † Returns not to hand at time of going to press. Sea temperatures: Poughill, ° on th; do. for , 189 , °; Plymouth, 49·2°; St. Ives, °; Penzance (Penlee), 50°; Scilly (St. Mary's), 50°. The following numbers refer to the number of the district in each case :—

2.—Mean Temperature 2·8° above average of 10 years. 3.—On the 21st 1½ inches, and on the 22nd 2½ inches of snow fell. 6.—Continuous N.W. Wind. 11.—Snow fell on 22nd; Hail Showers on 23rd and 24th. 20.—19th, Hoar Frost; 21st, ground covered in frozen Hail; 23rd and 24th, Hoar Frost.

Truro, March 12th, 1898.

(*Signed*) JOHN R. de C. BOSCAWEN Chairman.

CORNWALL COUNTY COUNCIL.

Sanitary Committee.

Monthly Report for September, 1898.

The feature of the month is the abnormally high Infantile mortality. There were no fewer than 179 deaths of infants under 1 year, equal to 38 per cent. of the total deaths registered, and giving the proportion of 250 deaths per 1000 births. Diarrhœa brought about this result. The disease has been very prevalent during the month. Deaths due to it occurred in 21 districts (7 Rural and 14 Urban)—Redruth and Camborne returning respectively 20 and 25 deaths. These factors have raised the death-rate of those districts to an abnormally high level, and have also made themselves felt in the month's general death-rate.

The total number of deaths registered from all causes in September was 467, giving a general death-rate of 18·11 per 1000 per annum of the population. This shows an increase on August of 89 deaths and 3·56 per 1000 respectively. This rise, as will be seen, was mainly caused by the increased infantile mortality—there being 76 more deaths under this head this month than last. The proportion of deaths, however, among the active part of the population is more favourable than even last month,—the returns for September showing a per centage of 30·40 against 40·74 in August.

There were 97 deaths from Zymotic diseases against 47 last month, viz. :—Measles 1, Whooping Cough, 12; Diarrhœa, 76; Diphtheria, 2; and Typhoid Fever, 6. Other deaths include 29 from Bronchitis, 35 from Phthisis, 36 from Heart Disease, 4 from Influenza, 27 from Cancer, and 221 from other causes. Inquest cases were less numerous this month, and numbered 18, 8 of which were due to natural causes, 8 accidental, and 1 temporary insanity.

Infectious disease cases notified or ascertained during the month were 93, giving a disease-rate of 3·66 against 72 cases and a rato of 2·79 for August.

There were 699 births registered in September, equal to a birth-rate of 27 per thousand. The County's natural increase was 232.

Small-pox. 2 cases of Small-pox are reported, one from St. Germans, and 1 from Redruth Urban—the latter case was a person just arrived from America, and it is presumed that the disease was contracted on board ship.

Diphtheria returns give 16 cases with 2 deaths against 3 cases last month. 2 cases occurred in Launceston (Rural), 1 in Liskeard (Rural), 3 in St. Germans, 4 with 1 death in St. Columb, 1 in St. Austell (Rural), 2 in Truro (Rural), 1 in Redruth (Rural), 1 in Helston (Rural), and 1 with 1 death in Padstow.

Erysipelas is reported from 7 districts (5 Rural and 2 Urban), and shows 8 cases against 10 last month. The disease is again unattended with any fatality.

Scarlet Fever cases numbered this month 50 against 39 with 1 death last month. In the Rural districts Calstock returns 3 cases; Liskeard, St. Germans, and Truro, each 1 case; St. Columb, 3 cases; St. Austell, 7 cases; Redruth, 8 cases; East Kerrier, 3 cases; and Helston, 4 cases; and in the Urban portion 7 cases are returned by Launceston, 3 cases by Falmouth, 4 cases by Penzance and Camborne respectively, and 1 case by Newquay.

Typhoid Fever cases are 3 less than in August; but the disease has been more fatally attended —6 deaths being due to it this month against 1 last. St. Germans contributed 1 case, Truro (Rural), 3 deaths (cases reported last month); Redruth (Rural) 1 case; Helston (Rural) 2 cases; Bodmin, 1 case and 1 death; Helston (Urban), 1 case and 1 death; Camborne, 2 cases and 1 death; and Truro City, Penryn, Falmouth, St. Ives, Padstow, Madron, and Paul, each 1 case.

Whooping Cough is still prevalent in some districts. 13 deaths were due to it against 14 in August.

The mean temperature for the month was 60·94 against 55·97 for September, 1897, and 62·95 last month. The mean rainfall was 1·23 inches against 3·12 inches in August, and the mean total rainfall from 1st January, 18·29 inches against 35·45 inches for the like period of 1897. The highest mean temperature was at St. Ives (63·06), and the lowest at Launceston (56·50). The mean total hours of bright sunshine was 216·8, giving a daily average of 7 hours 21 minutes. The highest recorded was at Scilly (St. Marys) 232·2, and the lowest at Falmouth (207·2).

Medical officers are respectfully desired to report in their next month's returns any changes that may have been made in the *personnel* of either the Medical Officer or of the Sanitary Inspector in their immediate vicinity during the year.

Signed on behalf of the Committee,

JOHN R. de C. BOSCAWEN,

Truro, October 13th, 1898

CHAIRMAN.

TABULATED

OF BIRTHS, DEATHS, and INFECTIOUS DISEASE, within the [illegible] of the

No. of District.	SANITARY DISTRICT.	Population, 1891.	Medical Officer of Health	Total Births.	Birthrate per 1000 per Annum.	Total Zym. Deaths	Zymotic Death rate per 1000 per An.	Deaths under 1 yr.	Deaths between 1 and 5.	Deaths, 65 & over.	Notified or Ascertained Cases: Small Pox.	Diphtheria & Memb. Croup	Erysipelas.	Scarlet Fever.	Fevers. Typhoid.	Fevers. Continued	Fevers. Puerperal	Total Cases.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
	RURAL										Z	Z		Z	Z	Z		
1	*STRATTON ..	7,122	Mr. BRAUND ..	25	42	..	..	..	..	..	..	..	..	..	..	..	..	..
2	*LAUNCESTON	8,937	Mr. GIBSON ..	12	16	..	..	2	1	1	..	2	..	..	..	..	..	2
3	*CALSTOCK ..	6,140	Dr. A. BOWHAY	11	21	1	1·9	1	1	2	..	..	..	3	..	..	..	3
4	*BOSCASTLE ..	2,009	Mr. C. WADE..	4	24	..	..	..	..	1	..	..	..	..	..	..	..	..
5	*CAMELFORD ..	4,897	Mr. JEROME ..	7	17	..	..	..	..	..	..	..	..	..	..	..	..	..
6	*LISKEARD ..	20,063	Mr. NETTLE ..	38	22	1	0·5	6	4	10	..	1	..	1	..	..	..	2
7	*ST. GERMANS	15,080	Mr. KERSWILL	41	31	1	0·7	7	..	5	1	3	1	1	1	..	..	7
8	*BODMIN	12,146	Mr. MUDGE ..	38	37	.	..	1	1	6	..	..	1	..	..	..	..	1
9	*ST. COLUMB ..	11,834	Dr. MACKAY ..	27	27	2	2·0	4	1	3	..	4[1]	..	3	..	..	..	7
10	*ST. AUSTELL..	27,218	Dr. MASON ..	76	33	..	..	4	..	10	..	1	1	7	..	..	..	9
11	TRURO	22,557	Mr. BONAR ..	40	21	6	3·1	7	3	12	..	2	2	1	[3]	..	..	5
12	REDRUTH ..	19,546	Dr. PERMEWAN	38	23	4	2·4	9	2	11	..	1	..	8	1	..	..	10
13	*EAST KERRIER	8,510	Mr. BLAMEY .	23	32	2	2·8	6	..	2	..	..	1	3		..	..	4
14	*HELSTON .	18,919	§Mr. HASWELL	44	27	6	3·7	11	2	7	..	1	..	4	2	..	..	7
15	***West Penwith**	12,057	Mr. MUDGE ..	No	Return		..	..	..	..	..	..	..	..	..	..	..	NN
	URBAN																	
16	*LAUNCESTON	4,345	Mr. GIBSON ..	6	16	1	..	..	..	..	..	..	..	7	..	..	..	7
17	*LISKEARD ..	3,984	Mr. NETTLE ..	10	30	..	..	..	..	4	..	..	.	..	..	..	..	..
18	LOOE..	2,401	Dr. WEBB ..	2	10	1	4·9	3	..	1	..	..	..	..	..	..	..	..
19	*SALTASH.. ..	2,541	Mr. PRESTON ..	3	14	2	9·4	2	..	..	..	..	..	..	..	..	..	..
20	*BODMIN	5,151	Mr. DERRY ..	11	25	1	2·3	..	..	2	..	..	..	..	1[1]	..	..	1
21	*LOSTWITHIEL	1,496	Mr. MILNER ..	4	32	..	..	..	..	..	..	..	..	..	..	..	..	..
22	TRURO CITY..	11,131	Mr. SHARP ..	23	24	1	1·0	8	..	7	..	..	..	..	1	..	..	1
23	*PENRYN	3,256	Mr. BLAMEY ..	9	33	2	7·3	3	..	..	..	..	..	..	1	..	..	1
24	*FALMOUTH ..	12,215	Dr. BULLMORE	25	24	..	..	3	..	4	..	..	..	3	1	..	..	4
25	*HELSTON ..	3,198	Mr. WEARNE ..	5	18	5	18·7	3	2	3	..	..	..	..	1[1]	..	..	1
26	*ST. IVES	6,094	Mr. NICHOLLS	27	53	..	..	7	..	4	..	..	1	..	1	2	..	4
27	PENZANCE ..	12,448	Mr. BOASE ..	20	19	4	3·8	8	..	2	.	..	..	4	..	..	..	4
28	*PADSTOW ..	1,503	Mr. HARVEY .	3	24	2	15·9	1	..	..	..	1[1]	..	..	1	..	..	2
29	NEWQUAY ..	1,891	Dr. HARDWICK	10	63	..	..	2	..	..	..	..	..	1	..	..	..	1
30	*ST. AUSTELL..	3,477	Dr. MASON ..	11	38	1	3·4	2	..	2	..	..	1	..	..	..	..	1
31	*REDRUTH ..	10,334	Dr. HICHENS	28	32	20	23·2	27	2	6	1	..	..	..	..	..	..	1
32	CAMBORNE ..	14,700	Mr. THOMAS ..	30	24	26	21·2	32	4	5	..	..	..	4	2[1]	..	..	6
33	***Phillack** ..	4,009	Mr.Z.B. MUDGE	7	21	1	2·9	4	..	1	..	..	..	..	..	..	.	NN
34	*HAYLE	1,142	Mr. T. MUDGE	1	10	2	21·0	2	1	..	..	..	..	..	..	..	..	..
35	*MADRON	2,810	Mr. COUCH ..	6	25	1	4·2	2	3	3	..	..	..	..	1	..	..	1
36	*PAUL..	5,961	Mr. BOASE ..	16	32	2	4·0	5	..	1	..	..	..	..	1	..	..	1
37	***Ludgvan** ..	2,334	Mr. COUCH ..	5	25	..	..	1	..	..	..	..	..	..	..	..	..	NN
38	ST. JUST	6,119	Mr. C. S. JAGO	11	21	1	1·9	4	2	1		..	..	..	..	..	..	..
39	*SCILLY ISLES	1,896	Dr. MACKLIN	2	12	1	6·3	1	..	1	..	..	..	..	..	..	..	..
	COUNTY	309,414	WHERE RETURNS ARE AVAILABLE.	699	27	97	3·7	179	29	117	2	16[2]	8	50	15[6]	2		93
		303,295	JANUARY ..	702	28	30	1·1	92	32	168	1[1]	15[2]	19[1]	29[1]	14[2]	1	1	71
		303,295	FEBRUARY	638	25	31	1·2	113	54	161	..	4[3]	19	11	4[1]	2	3[1]	43
		303,295	MARCH ..	711	28	39	1·5	106	61	162	..	11[3]	19	13[3]	7[2]	2[1]	[1]	52
		303,295	APRIL .	621	24	29	1·1	105	56	150	2	12[3]	14	6	14	1	1	50
		303,295	MAY .	629	25	29	1·1	91	33	129	1	5[2]	15[1]	9[1]	10	2	1	43
		303,295	JUNE ..	658	26	30	1·1	65	43	104	..	17[2]	14	3	6	2	..	42
		303,295	JULY ..	645	25	27	1·0	65	32	113	..	13[3]	9[1]	24[2]	15[1][4]	..	2[1]	63
		303,295	AUGUST ..	585	23	61	2·1	99	40	126	..	18[6]	10	14	44[2]	1	..	87
		303,295	SEPTEMBER	663	26	37	1·4	76	11	126	..	15[3]	16	37	57[8]	6	..	131
		303,295	OCTOBER ..	642	25	30	1·2	72	28	129	..	4[1]	17	50[3]	16[4]	..	..	87
		303,295	NOVEMBER	653	25	29	1·1	66	23	132	..	16[4]	15	32	16[1]	4	..	83
		303,295	DECEMBER	613	24	27	1·0	59	40	157	..	11[4]	19[1]	58[3]	116[5]	..	2[2]	206
		303,295	JANUARY ..	620	24	20	0·8	83	41	201	..	15[1]	15[2]	21	55[7]	..	..	106
		309,414	FEBRUARY	640	24	22	0·8	114	57	286	..	14[7]	9	17	9[4]	.	..	49
		309,414	MARCH ..	674	26	13	0·5	95	46	207	..	9[1]	18	37	14	1	..	79
		309,414	APRIL ..	603	23	12	0·4	91	42	163	..	5	12[1]	29	11[2]	2	..	59
		307,013	MAY ..	624	24	38	1·0	82	48	126		7[4]	13[2]	21[1]	7[2]	2	1[1]	51
		307,013	JUNE ..	686	27	27	1·0	84	35	120	..	6	16	37	12[4]	2	..	73
		309,414	JULY ..	636	24	35	1·3	82	20	77	..	9[3]	6	48[1]	18[1]	2	1	84
		309,414	AUGUST ..	686	26	47	1·8	103	25	97	..	3	10	39[1]	18[1]	1	1	72
		309,414	SEPTEMBER	699	27	97	3·7	179	29	117	2	16[2]	8	50	15[6]	2	..	93
			OCTOBER ..															
			NOVEMBER															
			DECEMBER															

County Summary, 1897.

County Summary, 1898.

Special Notice.

Special attention is again called to the Dairies, Cowsheds, and MilkshopsOrders, 1885, and 1886, which are *obligatory* upon every Sanitary Authority.

Attention is directed to the provisions of the "Isolation Hospitals Act, 1893," (56 & 57 Vict. Cap. 68), and to the Districts in Cornwall without such accommodation.

Medical Officers of Health will greatly oblige by being early with their Monthly Returns.

REFERENCE.—The Districts printed in **black type** have as yet failed to adopt the Notification Act. Districts marked thus * in these instances. Diseases marked with a "Z" are those taken as Zymotics for Statistical purposes. N.N. mean no Notifica

2.—Diphtheria at Botewell, North Hill, and Lower Truscott. 3.—Scarlet Fever at Gunnislake—imported from Plymouth. 6.—Diphtheria at Tre Erysipelas at St. Germans; Scarlet Fever at Torpoint. 8.—Erysipelas case was at Norton, Parish of Bodmin. 9.—Diphtheria at St. C 11. Diphtheria at Probus and Kenwyn; Erysipelas at Probus; Scarlet fever at Kea; Enteric fever (fatal, cases occurred at St. Agnes—reported 14.—Diphtheria at Harland Cross, Breage; Scarlet fever at Poladeras Downs, Breage; Typhoid at Churchtown, Germoe, and Sparnon, Breage. in College street: no evident cause. 24.—3 cases of Scarlet fever (all in one house); Enteric fever at Market street. 26.—Erysipelas at Bowlin street; Typhoid case was on the South Quay. 30.—Erysipelas at Merrifield's Row. 31.—Small Pox case was in Blight's Row—just arrived Florence place, Tolcarne. 36.—Typhoid case was at Newlyn-town.

Truro, Oct. 13th, 1898.

ATED RETURN

Form F.

a of the Administrative County of Cornwall, for the **Month** of **September**, 1898.

Cases. Deaths. (20)	Disease Rate per 1000 per ann. on Month's Returns (21)	Deaths from Measles. (22)	Whooping Cough. (23)	Diarr. & Dyst. (24)	Bronchitis, Pneumonia, & Pleurisy (25)	Phthisis. (26)	Heart Disease (27)	Influenza. (28)	Cancer. (29)	Inquest Cases (30)	All other causes. (31)	All Causes (32)	D.R. per 1000 per ann. on month's returns. (33)	D.R. per 1000 per ann. on quarter's returns. (34)	Diseases prevalent during the Month. (35)	General Remarks (36)	No. of District.
		Z	Z	Z													
..	..	..	..	..	..	..	..	..	..	..	4	4	6·76	9·55	None	Very healthy	1
2 ..	2·68	..	..	..	..	..	..	..	2	..	4	6	8·05	7·60			2
3 ..	5·86	1	..	..	1	1	2	..	..	.	3	8	15·63	12·37	Meas., Diarr.	Seasonal	3
.. .	..	..	..	..	..	..	1	..	..	..	..	1	5·97	9·95	None	Healthy	4
.. .	..	..	..	..	..	..	..	..	..	..	2	2	4·90	10·61	None	District very healthy	5
2 .	1·19	..	..	1	4	3	5	..	3	2	10	28	16·74	12·95	None	One death at 103 years	6
7 .	5·56	..	..	1	2	..	2	..	..	2	9	16	12·73	12·99	None		7
1 .	0·98	..	..	..	..	1	1	..	..	1	9	12	11·85	9·21	None	District healthy	8
7 1	7·08	..	..	1	1	3	..	1	..	..	4	11	11·15	10·13			9
9 .	3·96	..	..	..	2	1	2	..	3	3	14	25	11·02	12·48		Scarlatina declining	10
5 3	2·65	..	1	2	2	3	2	..	2	1	16	32	17·01	14·17	Wh. Cough	Infection	11
0 .	6·18	..	..	4	3	2	3	..	1	2	13	28	17·18	18·00			12
4 .	5·61	..	1	1	.	1	2	..	2	1	7	15	21·15	15·51		District fairly healthy	13
7 .	4·43	..	2	4	3	2	3	1	2	..	14	31	19·61	16·89	Sc Fever	Same houses aff. as last mon.	14
NN .	..	..	..	..	..	..	..	..	..	..	..	..	..	..			15
7 .	19·33	..	..	1	..	2	..	..	1	..	1	5	13·80	11·96	Sc. Fever	Board school clos. for 10 days	16
. .	..	..	..	..	..	1	1	..	1	..	2	5	15·06	17·06	None	Very healthy month	17
. .	..	..	..	1	..	..	..	..	1	..	4	6	29·98	18·31	Wh. Cough	Otherwise healthy	18
. .	..	..	..	2	..	..	..	..	..	..	..	2	9·44	14 16	None	District healthy	19
1 1	2·32	..	..	..	..	..	2	..	..	..	..	3	6·98	4·65	None	District healthy	20
. .	..	..	..	..	..	1	..	..	..	..	..	1	8·02	8·02	Diarrhœa		21
1 .	1·07	..	..	1	2	1	1	1	1	1	11	19	20·48	14·72	None	Healthy	22
1 .	3·68	..	..	2	..	..	..	..	.	1	2	5	18·42	17·19	Diarrhœa	Health of Boro' fairly good	23
4 .	3·92	..	..	..	2	5	1	1	3	..	10	22	21·61	17·02		District generally healthy	24
1 1	3·75	..	4	..	..	..	..	..	..	..	3	8	30·01	25·01	Wh. Cough		25
4 .	7·87	..	..	..	..	1	1	..	..	..	11	13	25·59	21·00	None	Healthy	26
4 .	3·85	..	1	3	..	2	2	..	2	..	13	23	22·17	23·13	Inf. Diarrhœa	3 deaths, non-residents	27
2 1	15·96	..	..	1	..	..	..	..	..	..	1	3	23·94	13·30	Inf. Diarrhœa	Climatic	28
1 .	6·34	..	..	..	..	1	1	..	..	..	4	6	38·09	31·73	None	Healthy	29
1 .	3·45	..	..	1	..	..	..	..	..	.	3	4	13·80	16·10	None	Healthy	30
1 .	1·16	..	..	20	3	..	..	..	1	2	16	42	48·77	25·92	Diarrhœa	Epidemic	31
6 1	4·89	.	..	25	..	4	3	..	1	1	12	47	38·36	23·66	Inf. Diarrhœa	Seasonal	32
NN .	..	..	1	..	1	..	..	..	..	..	4	6	17·95	13·96			33
.. .	..	..	1	1	..	..	..	..	..	..	1	3	31·53	14·01	Wh.Co., Diar.		34
1 .	4·27	..	..	1	2	..	1	..	..	..	2	6	25·62	31·61	None	District healthy	35
1 .	2·01	..	..	2	1	..	..	..	1	1	3	8	16·14	11·41	Inf. Diarrhœa		36
N .	..	..	..	..	..	..	..	..	..	..	2	2	10·28	6·85	None	District remains healthy	37
.	..	..	.	1	..	..	..	..	..	..	6	7	13·72	15·68	None	District very healthy	38
.	..	..	1	..	..	..	..	..	..	..	1	2	12·65	10·54	Wh. Cough	Otherwise healthy	39
8	3·66	1	12	76	29	35	36	4	27	18	221	467	18·11				
7	2·80	17	4	4	83	29	27	..	22	30	208	437	17·29				
5	1·70	14	9	4	101	33	38	10	23	37	212	486	19·22				
6	2·02	24	7	1	89	51	38	6	25	33	218	500	19·78				
5	1·98	15	7	2	95	46	35	1	27	37	292	471	18·60				
7	1·71	11	4	7	58	37	36	2	22	22	194	402	15·90				
3	1 66	15	6	6	49	33	27	1	16	15	172	342	13·53				
.	2.49	11	2	5	22	19	31	..	28	40	155	324	12·81				
6	3·44	17	3	33	25	31	29	1	17	35	188	387	15·13				
.	5·21	4	2	20	34	39	33	2	27	23	170	365	14·44				
8	3·44	18	..	4	31	31	31	1	22	24	196	366	14·47				
5	3·25	16	5	3	29	31	35	1	26	20	182	353	13·96				
6	8·14	4	7	3	64	31	37	..	26	23	209	429	16.99				
6	4·19	..	12	..	87	26	47	26	15	35	228	486	19·22				
43	1·90	..	10	1	169	41	47	110	20	37	229	675	26 17				
7	3·06	..	11	1	130	35	48	40	15	36	229	546	21·17				
39	2·25	..	9	1	102	38	37	9	24	24	200	447	17·34				
51	1·99	4	15	2	66	37	43	8	22	22	181	410	16·02				
73	2·85	2	21	..	47	31	33	4	29	31	191	393	15·36				
84	3·25	..	20	10	40	30	37	3	15	9	162	332	12·87				
72	2·79	3	14	28	23	28	37	2	29	29	183	378	14·65				
93	3·66	1	12	76	29	35	36	4	27	18	221	467	18·11				

No. Dis.	Sanitary District.	Death Rate to Scale. (10 20 30 40 50)
	RURAL	
1	Stratton ...	
2	Launceston	
3	Calstock ...	
4	Boscastle ..	
5	Camelford ...	
6	Liskeard ...	
7	St. Germans	
8	Bodmin ...	
9	St. Columb	
10	St. Austell ...	
11	Truro	
12	Redruth ...	
13	East Kerrier	
14	Helston ...	
15	West Penwith	
	URBAN	
16	Launceston	
17	Liskeard ...	
18	Looe	
19	Saltash... ...	
20	Bodmin ...	
21	Lostwithiel...	
22	Truro	
23	Penryn	
24	Falmouth ...	
25	Helston ...	
26	St. Ives... ...	
27	Penzance ..	
28	Padstow ...	
29	Newquay ...	
30	St. Austell ...	
31	Redruth ...	
32	Camborne ...	
33	Phillack ...	
34	Hayle	
35	Madron ...	
36	Paul	
37	Ludgvan ...	
38	St. Just ...	
39	Scilly Isles ...	
	County ...	

thus * are without Isolation Hospitals. † This population is omitted for the purpose of averages. § Returns were late
) Notification. The following numbers refer to the number of the District in each case :—

eria at Trevris, Linkinhorne ; Scarlet Fever at Redmoor, Southill. 7.—Small pox at Torpoint ; Diphtheria at Polbathick ; Typhoid at Millbrook ; nb and St. Wenn ; Scarlet fever at St. Columb. 10.—Diphtheria and Erysipelas at St. Blazey ; Scarlet Fever at Holmbush and Charlestown. t month. 12.—Scarlet fever at Illogan; Typhoid at Brea. 13.—Erysipelas case was at Mawnan Smith ; Scarlet fever at Nancenory, Constantine. —Scarlet fever in St. Stephens district, Tower street and Westgate. 22.—Typhoid fever case was at Calenick street. 23.—Case of Typhoid was reen Terrace ; Typhoid at Sea View ; Continued fever at Bowling Green Terrace and Bedford Road. 28.—Diphtheria (fatal) case was in High e from America. 32.—Scarlet fever at Kehelland, Treswithian Downs, and Roseworthy ; Typhoid at Tuckingmill. 35.—Typhoid case was in

(Signed on behalf of the Committee) JOHN R. de C. BOSCAWEN, *Chairman.*

CLIMATOLOGICAL OBSERVATIONS IN CORNWALL.

During the Month of SEPTEMBER, 1898. Readings taken Daily at 9 a.m. Local time. Stations run from North to South.

No. of Station.	Stations where the Observations were taken. (North to South)	OBSERVER.	TEMPERATURE (Fahrenheit). Mean Temp. Dry Bub.	Mean Temp. Wet Bub.	Max. Temp.	Minimum Temp.	Mean Temp.	Ditto for like month, 1897.	Mean Daily Range.	Relative Humidity.	BAROMETER (Sea Level) Monthly Means. Corrected.	Bar. Highest.	Bar. Lowest.	RAINFALL. Total during Month.	Ditto for like month, 1897.	Total Rainfall from 1st Jan., 1898.	Ditto for like period 1897.	Height above sea.	Greatest 1 Day.	Days on which 0.01 in. or more fell	Total during 1897	SUN. Total Hours Bright Sunshine.	WIND. Prevailing Direction.	No. of Station.
														Inches.				Feet	Inches		Inches			
1	POUGHILL ..	Colonel Field ..	..	..	..	..	..	..	..	..	..	..	..	1·26	6·10	20·50	35·81	200	0·47	10	45·19	..	E.	1
2	BUDE	Mr. J. Arthur ..	59·60	57·20	82·0	40·0	62·00	56·00	13·20	87	30·18	30·45	29·84	1·04	6·27	17·60	32·18	16	0·45	6	41·73	..	S.E. to E.	2
3	LAUNCESTON ..	Capt. Ching, R.N.	62·00	58·00	77·0	40·0	56·50	52·50	15·00	77	30·10	30·40	29·75	1·93	6·31	20·76	37·35	446	0·50	11	51·46	..	Variable	3
4	HINGSTON DOWN ..	Mr. H. Wadge ..	..	..	..	..	..	..	..	..	..	..	..	2·01	4·43	22·00	31·65	850	1·12	7	46·48	..	..	4
5	PENTILLIE CASTLE	Mr. W. T. Johnson	..	..	79·0	36·0	..	..	..	..	..	..	..	2·22	3·74	22·11	34·32	150	1·22	10	49·34	..	..	5
6	LISKEARD	Mr. S. W. Jenkin	60·00	57·00	76·0	45·0	59·00	55·00	14·00	..	30·25	30·60	29·74	2·06	4·93	20·90	36·49	375	0·89	8	51·27	..	S.E.	6
7	LANHYDROCK ..	Preb. J. T. Every	..	..	..	..	..	..	.	..	30·02	30·36	29·56	1·78	6·17	23·54	38·82	390	0·67	11	53·29	..	..	7
8	NEWQUAY ..	Dr. Hardwick ..	62·50	58·00	76·1	46·4	61·30	55·90	11·40	75	30·12	30·47	29·69	1·02	4·44	13·89	30·80	100	0·37	9	39·50	210·3	S.E.	8
9	PLYMOUTH (Dev)	Mr. H. V. Prigg ..	63·90	59·10	67·4	53·7	60·50	55·00	13·70	82	30·09	30·40	29·72	0·97	2·56	16·77	30·19	117	0·58	8	39·89	212·9	E.N.E.	9
10	CREMYLL	Mr. J. Wonnacott	59·56	56·96	69·9	54·9	62·45	57·81	14·96	..	30·10	30·68	29·80	1·07	2·62	14·73	27·41	25	0·50	8	36·17	..	Variable	10
11	MENABILLY .	Mr. W. H. Bennett	..	..	84·0	44·0	62·23	56·23	13·76	..	30·02	30·50	29·60	1·06	4·14	20·18	34·81	27	0·32	9	48·86	..	W-S.W.	11
12	ST. AUSTELL ..	Mr. W. M. Coode	..	..	..	..	..	..	..	..	..	30·10	29·43	1·53	4·85	21·17	37·38	300	0·52	8	51·11	..	..	12
13	HELIGAN	Mr. J. C. Tremayne	..	..	77·0	39·0	..	..	..	..	..	..	..	1·17	3·39	19·16	33·10	..	0·41	7	44·37	..	..	13
14	ST. AGNES	Mr. J. Opie ..	..	..	..	..	..	..	..	..	..	..	..	0·76	4·06	16·44	28·85	278	0·25	6	40·47	..	S.E.	14
15	PROBUS	Mr. H. Tresawna ..	..	..	..	..	..	..	..	..	..	..	..	1·22	4·67	17·76	32·88	..	0·39	7	44·82	..	..	15
16	TRURO (R.I.C.) ..	Mr. R. A. Gregg ..	63·10	58·20	81·0	38·0	61·10	55·90	18·50	72	30·10	30·44	29·72	1·14	4·09	16·06	33·62	40	0·36	7	46·50	211·	S.E. to N.W.	16
17	REDRUTH ..	Mr. A. Lanyon ..	..	..	..	..	..	..	..	..	..	..	..	1·05	..	19·18	..	..	0·30	9	..	..	..	17
18	ST. IVES	§Dr. Nicholls ..	63·18	57·80	75·2	51·0	63·06	56·71	8·22	70	30·07	30·41	29·73	1·19	4·47	15·69	30·85	60	0·31	10	45·11	..	W.	18
19	PHILLACK ..	Canon Hockin ..	..	..	..	..	..	..	..	..	..	.	..	0·84	3·93	14·80	28·23	70	0·26	11	39·14	..	.	19
20	FALMOUTH (Ob.)	Mr. E. Kitto ..	62·00	58·20	73·5	47·0	60·80	55·90	12·20	78	..	..	..	0·93	4·21	17·44	31·67	169	0·31	11	45·85	207·2	S.E. & N.W.	20
21	ST. JUST (West)	†Rev. G. B. Hooper	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	386	..	..	..	..	..	21
22	MARAZION ..	Mr. T. W. Field ..	..	..	..	..	..	..	..	..	..	..	..	0·78	5·03	15·60	32·07	30	0·19	11	43·94	..	..	22
23	PENZANCE	Mr. C. H. Benn ..	64·07	59·69	72·5	46·5	61·72	57·34	11·81	75	30·19	30·44	29·70	1·08	5·58	16·81	33·46	55	0·26	13	45·31	224·7	..	23
24	,, (Penlee)	Mr. Branwell, Jr.	..	..	73·0	45·0	59·93	56·00	..	..	30·05	30·33	29·70	1·20	5·22	17·58	34·10	..	0·27	12	47·15	..	E.	24
25	LIZARD LIGHTS	Mr. J. E. Davies ..	..	..	68·0	54·0	62·30	57·80	..	..	29·93	30·23	29·60	..	..	..	..	..	..	..	..	..	E.	25
26	MULLION	Mr. A. Mitchell ..	63·20	60·00	75·7	46·7	61·20	..	11·13	..	.	..	..	0·66	..	..	..	230	0·35	7	34·76	219·3	E.	26
27	SCILLY, St. Mary's	Dr. Macklin ..	62·20	59·80	71·0	49·0	60·00	55·50	10·40	85	30·03	30·41	29·66	0·97	4·41	14·33	24·61		0·61	6		232·2	E.	27
	COUNTY MEANS ..		62·11	58·33	75·2	45·6	60·94	55·97	12·94	77	30·09	30·41	29·68	1·23	4·60	18·29	35·45	204	0·47	9	44·86	216·8		

§ Late Returns. † Returns not to hand at time of going to press. Sea temperatures: Newquay, Sunrise °, p.m. °; Plymouth, 61·9°; St. Ives, ; Penzance (Penlee), 62°; Scilly (St. Mary's), 61·1°. The following numbers refer to the number of the district in each case:—

1.—"Springs" have not dried up as in previous dry years. 2—Mean Temperature 3° above the average of 10 years. Mean Max. about 3° above. 3—A very fine and dry month. 7—Rainfall for 9 months, 12¼ inches below average of 34 years. 8—Remarkably dry month. Fine Aurora Borealis on 8th. Total Rainfall for year to date, lowest recorded during past 6 years. 10—A very dry month. 14.—Not so dry a month as September, 1895. 20—9th, 8 p.m. to 1 a.m. 10th, brilliant Aurora extending from N.E. to N.W. 24.—A very dry month, over 2½ inches under average of 28 years. 27—Rainfall continues very deficient.

Truro, October 13th, 1898.

(*Signed*) JOHN R. de C. BOSCAWEN, Chairman.